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ECONOMICS MONTHLY

QUARTERLY STATISTICAL SUPPLEMENT
Issued: September 1, 1987

GRAPHICAL ABSTRACT

As is illustrated by the graph, productivity in the U.S. sawmilling industry is way up.

ESTIMATED REGIONAL SOURCES OF DOMESTIC LUMBER CONSUMPTION (Net Imports Allocated)

(MILLION BOARD FEET)

	SOUTHERN PINE	DOUGLAS FIR	WESTERN PINE	CALIFORNIA REDWOOD	OTHER SOFTWOOD	TOTAL SOFTWOOD	SOUTHERN HARDWOOD	OTHER** HARDWOOD	TOTAL HARDWOOD	TOTAL LUMBER
1977	8,774	14,081	11,626	2,026	4,302	40,809	3,158	3,732	6,890	47,699
1978	9,096	15,133	11,559	1,849	5,003	42,640	3,242	3,755	6,997	49,637
1979	9,060	14,248	10,553	1,729	5,018	40,608	3,342	3,597	6,939	47,547
1980	7,757	11,461	8,509	1,563	4,542	33,832	3,028	3,244	6,272	40,104
1981	8,177	10,828	7,760	1,463	3,836	32,064	3,202	2,653	5,855	37,919
1982	8,232	10,381	7,316	1,327	3,917	31,173	2,031	3,066	5,098	36,270
1983	10,233	14,108	8,848	1,558	4,995	39,742	2,121	3,276	5,397	45,138
1984	10,402	15,672	9,606	1,643	5,534	42,857	2,459	3,377	5,836	48,693
1985*										
1ST QUARTER	2,367	3,747	2,017	378	1,310	9,818	631	872	1,503	11,321
2ND QUARTER	2,920	4,462	2,601	488	1,650	12,121	672	939	1,612	13,733
3RD QUARTER	2,700	4,240	2,684	429	1,535	11,590	618	779	1,397	12,986
4TH QUARTER	2,493	3,944	2,446	384	1,448	10,714	613	710	1,323	12,037
TOTAL YEAR	10,480	16,393	9,748	1,679	5,942	44,243	2,534	3,300	5,834	50,077
1986*										
1ST QUARTER	2,768	4,079	2,362	374	1,478	11,061	690	730	1,421	12,482
2ND QUARTER	2,979	4,733	2,837	558	1,737	12,844	657	869	1,526	14,370
3RD QUARTER	2,971	4,424	2,916	491	1,679	12,481	627	898	1,525	14,006
4TH QUARTER	2,596	3,481	2,705	469	1,174	10,425	613	1,928	2,541	12,966
TOTAL YEAR	11,313	16,718	10,820	1,892	6,068	46,811	2,588	4,425	7,013	53,825
1987*										
1ST QUARTER	2,942	4,495	2,776	496	1,590	12,299	608	806	1,414	13,713
2ND QUARTER	3,215	4,992	2,941	580	1,691	13,419	657	802	1,459	14,878
3RD QUARTER	0	0	0	0	0	0	0	0	0	0
4TH QUARTER	0	0	0	0	0	0	0	0	0	0
TOTAL YEAR	6,157	9,487	5,717	1,076	3,281	25,718	1,265	1,608	2,873	3,590

* SUBJECT TO REVISION
** INCLUDES APPALACHIAN HARDWOOD AND ALL OTHERS.

SOURCE: NATIONAL FOREST PRODUCTS ASSOCIATION

NOTE: DETAILS MAY NOT ADD TO TOTALS DUE TO ROUNDING.

ESTIMATED REGIONAL LUMBER PRODUCTION, SHIPMENTS AND NEW ORDERS

(MILLION BOARD FEET)

	SOUTHERN PINE	DOUGLAS FIR	WESTERN PINE	CALIFORNIA REDWOOD	OTHER SOFTWOOD	TOTAL SOFTWOOD	SOUTHERN HARDWOOD	APPALACHIAN HARDWOOD	OTHER HARDWOOD	TOTAL HARDWOOD	TOTAL LUMBER
PRODUCTION											
1977	8,879	8,796	10,309	2,000	1,753	31,737	2,074	1,211	2,417	6,701	38,438
1978	9,231	8,845	10,033	1,902	2,046	32,057	3,258	1,233	2,540	7,031	39,088
1979	9,283	8,427	9,780	1,818	2,124	31,432	3,462	1,263	2,589	7,314	38,746
1980	8,217	6,815	7,613	1,589	2,012	26,246	3,341	1,221	2,553	7,115	33,361
1981	8,415	6,270	7,147	1,452	1,392	24,676	3,374	1,237	1,641	6,252	30,928
1982	8,754	5,743	6,681	1,300	1,309	23,787	3,061	602	2,398	5,062	28,849
1983	10,181	7,934	8,488	1,580	1,543	29,726	2,245	785	2,614	5,644	35,370
1984	10,674	8,329	8,992	1,664	1,515	31,174	2,642	985	2,655	6,282	37,456
1985*											
1ST QUARTER	2,471	1,970	2,009	448	353	7,251	675	248	625	1,508	8,759
2ND QUARTER	2,906	2,316	2,405	451	347	8,175	700	279	692	1,671	9,846
3RD QUARTER	2,771	2,039	2,539	445	398	8,192	657	218	620	1,495	9,687
4TH QUARTER	2,582	2,057	2,323	386	375	7,703	635	156	563	1,357	9,060
TOTAL YEAR	10,730	8,382	9,276	1,730	1,523	31,321	2,628	904	2,500	6,031	37,352
1986*											
1ST QUARTER	2,801	2,294	2,328	463	413	8,299	315	141	606	1,462	9,751
2ND QUARTER	3,041	2,393	2,638	531	439	9,042	691	236	656	1,583	10,625
3RD QUARTER	3,010	2,292	2,850	520	443	9,115	658	268	648	1,564	10,679
4TH QUARTER	2,826	2,433	2,666	507	420	8,852	600	265	612	1,477	10,329
TOTAL YEAR	11,678	9,412	10,482	2,021	1,715	35,308	2,264	900	2,522	6,086	41,394
1987*											
1ST QUARTER	2,982	2,695	2,757	543	458	9,435	558	176	518	1,251	10,686
2ND QUARTER	3,227	2,739	2,864	564	474	9,868	636	167	568	1,371	11,244
3RD QUARTER											
4TH QUARTER											
TOTAL YEAR	6,209	5,434	5,621	1,107	932	19,308	1,193	343	1,086	2,622	21,930
SHIPMENTS											
1977	8,932	8,781	10,295	2,075	1,759	31,842	3,119	1,225	2,450	6,789	38,631
1978	9,226	8,906	10,067	1,884	2,051	32,134	3,248	1,230	2,530	7,008	39,142
1979	9,255	8,412	9,696	1,760	2,111	31,234	3,326	1,216	2,487	7,029	38,263
1980	8,018	6,821	7,807	1,590	2,012	26,248	3,119	1,142	2,381	6,648	32,896
1981	8,388	6,270	7,183	1,501	1,395	24,737	3,313	1,182	1,602	6,097	30,834
1982	8,464	5,793	6,775	1,344	1,305	23,684	2,127	634	2,488	5,249	28,935
1983	10,214	7,802	8,264	1,582	1,528	29,390	2,312	824	2,708	5,849	35,239
1984	10,574	8,409	9,014	1,673	1,516	31,186	2,555	940	2,540	6,035	37,221
1985*											
1ST QUARTER	2,404	1,914	1,914	381	338	6,951	673	245	632	1,550	8,451
2ND QUARTER	2,964	2,131	2,441	492	410	8,438	677	266	666	1,609	10,047
3RD QUARTER	2,740	2,003	2,546	433	394	8,116	628	201	588	1,417	9,533
4TH QUARTER	2,536	2,029	2,320	389	371	7,645	631	157	559	1,347	8,992
TOTAL YEAR	10,644	8,077	9,221	1,695	1,513	31,150	2,589	869	2,435	5,873	37,023
1986*											
1ST QUARTER	2,810	2,248	2,287	392	348	8,186	704	138	596	1,438	9,624
2ND QUARTER	3,029	2,337	2,744	584	454	9,148	681	230	645	1,556	10,704
3RD QUARTER	3,011	2,189	2,793	516	435	8,944	666	242	657	1,585	10,529
4TH QUARTER	2,712	2,406	2,658	492	423	8,691	64.	247	657	1,586	10,277
TOTAL YEAR	11,562	9,430	10,482	1,985	1,710	35,169	2,695	917	2,555	6,165	41,334
1987*											
1ST QUARTER	3,001	2,638	2,719	499	452	9,309	648	218	612	1,478	10,787
2ND QUARTER	3,269	2,864	2,907	584	491	10,115	690	188	627	1,500	11,615
3RD QUARTER											
4TH QUARTER											
TOTAL YEAR	6,270	5,502	5,626	1,083	943	19,424	1,338	406	1,234	2,978	22,402
NEW ORDERS											
1977	8,970	8,712	10,331	2,119	1,762	31,894	3,163	1,244	2,488	6,895	38,789
1978	9,273	8,894	9,946	1,841	2,043	32,003	3,288	1,274	2,560	7,087	39,090
1979	9,273	8,388	9,630	1,664	2,098	31,053	3,290	1,194	2,429	6,863	37,916
1980	7,964	6,741	7,730	1,563	1,998	26,044	3,060	1,118	2,338	6,516	32,560
1981	8,433	6,200	7,076	1,501	1,387	24,597	3,341	1,198	1,617	6,156	30,753
1982	8,510	5,976	6,880	1,388	1,325	24,079	2,123	650	2,495	5,268	29,335
1983	10,417	7,864	8,350	1,573	1,544	29,748	2,344	834	2,741	5,919	35,667
1984	10,342	8,296	9,011	1,640	1,496	30,785	2,524	944	2,520	5,988	36,773
1985*											
1ST QUARTER	2,358	1,935	1,920	391	338	6,942	654	246	641	1,546	8,488
2ND QUARTER	2,974	2,105	2,526	502	415	8,524	683	256	644	1,555	10,079
3RD QUARTER	2,864	2,012	2,506	444	367	8,173	638	203	598	1,443	9,616
4TH QUARTER	2,567	1,992	2,293	345	379	7,617	624	156	553	1,333	8,950
TOTAL YEAR	10,763	8,044	9,247	1,682	1,520	31,256	2,598	863	2,436	5,877	37,133
1986*											
1ST QUARTER	2,897	2,420	2,408	449	418	8,592	757	146	639	1,542	10,134
2ND QUARTER	2,965	2,331	2,643	551	433	8,923	674	224	636	1,534	10,461
3RD QUARTER	2,972	2,340	2,853	482	441	9,088	664	275	665	1,605	10,693
4TH QUARTER	2,759	2,479	2,592	538	428	8,796	641	290	663	1,600	10,396
TOTAL YEAR	11,593	9,570	10,500	2,020	1,720	35,403	2,742	936	2,604	6,281	41,684
1987*											
1ST QUARTER	3,118	2,753	2,862	476	471	9,680	651	217	615	1,483	11,163
2ND QUARTER	3,447	2,785	2,920	574	447	10,228	720	194	647	1,561	11,789
3RD QUARTER											
4TH QUARTER											
TOTAL YEAR	6,565	5,538	5,782	1,055	918	19,908	1,371	411	1,262	3,044	22,952

* SUBJECT TO REVISION.

SOURCE: NATIONAL FOREST PRODUCTS ASSOCIATION

NOTE: DETAILS MAY NOT ADD TO TOTALS DUE TO ROUNDING.

IMPORTS AND EXPORTS OF LUMBER

IMPORTS OF LUMBER \1

(MILLION BOARD FEET)

	SOFTWOODS											
	DOUGLAS FIR	OTHER FIR	HEMLOCK	SPRUCE	PINE	CEDAR	OTHER	SPECIAL \2 PRODUCTS	TOTAL SOFTWOOD	TOTAL \3 HARDWOOD	RAILROAD TIES (SAWED)	TOTAL LUMBER
1977	990.7	299.4	1,219.2	5,361.6	1,795.5	537.7	22.2	154.0	10,380.3	341.1	7.4	10,728.8
1978	976.2	508.9	1,219.8	6,312.9	1,916.9	657.5	41.8	190.6	11,824.6	361.4	12.3	12,198.3
1979	827.3	588.3	912.3	6,740.4	1,182.5	637.8	35.4	181.7	11,117.7	376.2	29.3	11,523.2
1980	559.0	440.8	627.8	6,167.9	1,023.9	543.4	20.7	156.6	9,540.1	293.2	31.3	9,864.6
1981	483.3	534.7	467.0	6,010.7	941.7	574.4	17.0	175.9	9,204.7	291.1	24.9	9,520.7
1982	504.3	460.7	293.9	6,341.2	801.6	539.0	28.8	149.4	9,118.9	211.0	26.2	9,356.0
1983	600.3	708.6	416.7	8,354.4	919.8	664.1	73.5	239.9	11,977.4	260.5	12.5	12,250.4
1984	603.0	765.1	514.9	9,471.4	901.6	704.1	35.0	275.0	13,270.2	327.7	24.2	13,622.2
1985												
1ST QUARTER	154.6	189.1	171.1	2,257.0	165.8	210.2	26.9	66.9	3,241.6	105.9	3.2	3,350.7
2ND QUARTER	205.9	200.0	185.6	2,907.4	237.8	233.3	10.2	89.2	4,069.3	96.1	11.8	4,177.2
3RD QUARTER	247.4	236.0	151.0	2,685.4	215.0	202.7	14.0	89.7	3,841.8	85.3	7.7	3,934.8
4TH QUARTER	157.1	166.8	136.2	2,543.6	198.6	160.7	16.0	76.1	3,455.1	76.3	5.1	3,536.4
TOTAL YEAR	765.1	791.8	643.9	10,393.4	817.2	807.9	67.1	321.5	14,607.8	363.6	27.7	14,999.1
1986												
1ST QUARTER	157.2	166.5	128.4	2571.0	152.2	208.1	27.3	87.2	3498.0	95.6	3.8	3597.4
2ND QUARTER	179.1	238.0	154.9	2957.5	180.3	269.8	30.4	119.1	4129.1	88.9	10.0	4228.0
3RD QUARTER	225.7	254.6	140.1	2967.9	222.3	287.3	18.7	82.2	4118.9	75.8	5.4	4200.1
4TH QUARTER	124.1	108.9	65.0	1892.6	113.7	115.3	26.0	46.4	2492.1	86.6	4.0	2582.7
TOTAL YEAR	686.2	768.0	488.4	10389.1	668.7	880.6	102.4	334.9	14238.2	346.9	23.1	14608.2
1987												
1ST QUARTER	117.4	171.1	103.6	2701.1	131.4	184.7	14.5	114.0	3537.8	87.6	3.9	3629.3
2ND QUARTER	197.8	199.7	162.4	2820.9	130.6	226.3	22.4	111.1	3871.0	124.5	9.9	4005.4
3RD QUARTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4TH QUARTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL YEAR	315.2	370.8	266.0	5521.9	262.1	411.0	36.9	225.1	7408.8	212.2	13.8	7634.8

EXPORTS OF LUMBER \1

(MILLION BOARD FEET)

	SOFTWOODS											
	DOUGLAS FIR	SOUTHERN PINE	PONDEROSA/ WHITE PINE	REDWOOD	HEMLOCK	SPRUCE	CEDAR	OTHER	SPECIAL \2 PRODUCTS	TOTAL SOFTWOOD	TOTAL \3 HARDWOOD	RAILROAD TIES \4 (SAWED)	TOTAL \5 LUMBER
1977	488.3	157.8	195.0	48.1	264.2	150.7	61.3	47.0	----	1,412.4	226.1	19.2	1,657.7
1978	456.9	130.5	136.9	34.3	272.5	135.4	59.2	120.1	23.1	1,368.9	320.1	25.8	1,714.8
1979	505.4	195.1	147.7	30.1	463.7	151.1	56.0	179.4	16.2	1,744.7	306.6	90.5	2,141.8
1980	520.8	261.4	168.1	27.3	511.2	136.4	62.0	248.6	20.2	1,956.0	378.6	128.3	2,462.9
1981	509.0	211.2	223.8	37.7	390.2	141.4	66.9	280.6	16.8	1,877.6	405.7	88.8	2,372.1
1982	457.2	231.8	140.9	22.5	391.7	124.9	40.5	206.0	14.8	1,630.2	356.2	34.4	2,020.8
1983	559.3	208.4	197.3	24.0	376.2	113.9	46.8	207.8	10.8	1,744.5	478.2	47.2	2,269.9
1984	532.1	172.4	174.1	30.1	337.4	98.1	39.2	202.7	13.1	1,599.3	466.5	84.6	2,150.4
1985													
1ST QUARTER	117.5	37.0	37.8	3.4	101.5	21.1	6.3	47.0	2.8	374.4	102.7	5.6	480.7
2ND QUARTER	130.4	44.4	42.1	3.8	83.2	17.2	7.0	55.2	2.8	385.9	97.3	7.7	490.9
3RD QUARTER	113.2	39.5	44.4	3.5	78.2	14.2	6.4	65.5	3.1	368.1	96.3	17.1	481.4
4TH QUARTER	114.4	43.5	43.4	5.0	101.5	8.4	7.8	61.0	1.9	387.0	100.8	4.5	492.3
TOTAL YEAR	475.6	164.4	167.7	15.7	364.4	60.8	27.4	228.7	10.6	1,515.4	397.1	32.9	1,945.3
1986													
1ST QUARTER	135.9	42.2	49.7	2.9	130.1	24.6	6.8	76.2	2.4	470.9	112.0	4.5	587.4
2ND QUARTER	130.1	50.3	54.9	2.1	121.0	23.2	7.8	66.0	2.4	457.9	122.8	6.0	586.7
3RD QUARTER	106.3	40.1	60.8	2.8	115.4	19.0	12.4	66.7	4.1	427.7	135.0	6.1	568.8
4TH QUARTER	140.1	46.1	43.9	3.1	165.5	27.2	11.2	80.4	3.1	520.5	128.5	6.7	655.8
TOTAL YEAR	512.4	178.6	209.4	10.9	532.0	94.0	38.2	289.4	12.0	1,877.0	498.3	23.3	2,398.6
1987													
1ST QUARTER	167.1	58.6	54.7	3.4	142.1	19.0	12.3	88.7	2.2	548.2	148.6	6.9	703.6
2ND QUARTER	168.9	53.9	77.4	4.0	139.5	27.9	14.1	77.8	3.4	567.1	172.0	3.6	742.7
3RD QUARTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4TH QUARTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL YEAR	336.0	112.6	132.2	7.4	281.6	46.9	26.5	166.5	5.6	1115.2	320.5	10.5	1446.3

1. Sawed timber, board planks and scantlings, flooring, box shook and railroad ties.
2. Includes siding and softwood lumber drilled or treated. Beginning 1978 includes siding and flooring. For exports, figures not available prior to 1978.
3. Includes hardwood flooring, siding and hardwood lumber drilled or treated.
4. Includes a small amount of hewn railroad ties. Beginning with 1978 includes mine timber.
5. Includes box shook: 1973 - 4.4 mbf; 1974 - 6.1 mbf; 1975 - 4.1 mbf; 1976 - 6.0 mbf; 1977 - 5.8 mbf. Beginning with 1978 box shook is reported in appropriate species.

SOURCE: Foreign Agricultural Service, U.S. Department of Agriculture; Forest Products Division, BIE, U.S. DOC, from data of the Foreign Trade Division,

NOTE: DETAILS MAY NOT ADD TO TOTALS DUE TO ROUNDING.

ESTIMATED GROSS LUMBER MILL STOCKS AND UNFILLED ORDERS BY REGION

(MILLION BOARD FEET)

	SOUTHERN PINE	DOUGLAS FIR	WESTERN PINE	CALIFORNIA REDWOOD	OTHER SOFTWOOD	TOTAL SOFTWOOD	SOUTHERN HARDWOOD	OTHER** HARDWOOD	TOTAL HARDWOOD	TOTAL LUMBER
GROSS MILL STOCKS										
DECEMBER 31ST										
1977	1,192	964	1,329	359	265	4,109	412	385	797	4,906
1978	1,197	903	1,295	377	260	4,032	422	398	820	4,852
1979	1,225	918	1,379	435	273	4,230	558	547	1,105	5,335
1980	1,424	912	1,185	434	273	4,228	780	792	1,572	5,800
1981	1,451	912	1,149	385	270	4,167	841	886	1,727	5,894
1982	1,741	862	1,055	336	276	4,270	775	764	1,539	5,809
1983	1,708	994	1,279	334	291	4,606	708	626	1,334	5,940
1984	1,808	914	1,257	325	290	4,594	795	766	1,561	6,155
1985*										
1ST QUARTER	1,875	970	1,352	392	305	4,894	797	772	1,569	6,463
2ND QUARTER	1,817	855	1,316	351	292	4,631	820	811	1,631	6,262
3RD QUARTER	1,848	891	1,309	363	296	4,707	849	860	1,709	6,416
4TH QUARTER	1,894	899	1,312	360	300	4,765	853	866	1,719	6,484
1986*										
1ST QUARTER	1,885	921	1,359	426	306	4,897	864	879	1,743	6,640
2ND QUARTER	1,897	813	1,260	376	293	4,639	874	896	1,770	6,409
3RD QUARTER	1,896	937	1,323	380	301	4,837	866	883	1,749	6,586
4TH QUARTER	2,007	989	1,338	395	311	5,040	824	685	1,509	6,549
1987*										
1ST QUARTER	1,991	1,046	1,376	439	317	5,169	733	702	1,435	6,604
2ND QUARTER	1,949	921	1,333	419	305	4,927	679	627	1,306	6,233
3RD QUARTER										
4TH QUARTER										
ESTIMATED UNFILLED ORDERS										
DECEMBER 31ST										
1977	488	565	590	271	267	2,181	292	214	506	2,687
1978	535	553	469	234	259	2,050	332	253	585	2,635
1979	553	529	403	138	246	1,869	256	163	419	2,288
1980	499	499	326	111	230	1,665	197	90	287	1,952
1981	544	429	219	111	222	1,525	225	121	346	1,871
1982	590	612	324	150	244	1,920	221	144	365	2,285
1983	793	674	410	141	260	2,278	253	182	435	2,713
1984	561	561	407	108	240	1,877	222	166	388	2,449
1985*										
1ST QUARTER	515	582	413	118	240	1,868	248	186	434	2,302
2ND QUARTER	525	556	500	128	245	1,954	224	156	380	2,334
3RD QUARTER	649	565	460	89	248	2,011	234	172	406	2,417
4TH QUARTER	680	528	433	95	247	1,983	227	165	392	2,375
1986*										
1ST QUARTER	766	645	554	149	265	2,379	280	216	496	2,875
2ND QUARTER	702	452	457	118	246	1,975	273	201	474	2,449
3RD QUARTER	663	597	517	87	253	2,117	272	223	495	2,612
4TH QUARTER	710	668	452	130	258	2,218	277	238	515	2,733
1987*										
1ST QUARTER	827	783	595	107	277	2,589	280	232	512	3,100
2ND QUARTER	1,005	704	608	102	283	2,702	310	257	567	3,274
3RD QUARTER										
4TH QUARTER										
UNFILLED ORDERS IN RELATION TO GROSS MILL STOCKS (Unfilled Orders As Percentage of Mill Stocks)										
1977	41%	59%	44%	75%	101%	53%	71%	56%	63%	55%
1978	45%	61%	36%	62%	100%	51%	79%	64%	71%	54%
1979	45%	58%	29%	32%	90%	44%	46%	30%	38%	43%
1980	35%	55%	28%	26%	84%	39%	25%	11%	18%	34%
1981	37%	47%	19%	29%	82%	37%	27%	14%	20%	32%
1982	34%	71%	31%	45%	88%	45%	29%	19%	24%	39%
1983	46%	68%	32%	42%	89%	49%	36%	29%	33%	46%
1984	31%	61%	32%	33%	83%	41%	28%	22%	25%	40%
1985*										
1ST QUARTER	27%	60%	31%	30%	79%	38%	31%	24%	28%	36%
2ND QUARTER	29%	65%	38%	36%	84%	42%	27%	19%	23%	37%
3RD QUARTER	35%	63%	35%	25%	84%	43%	28%	20%	24%	38%
4TH QUARTER	36%	59%	33%	26%	82%	42%	27%	19%	23%	37%
1986*										
1ST QUARTER	41%	70%	41%	35%	87%	49%	32%	25%	28%	43%
2ND QUARTER	37%	56%	36%	31%	84%	43%	31%	22%	27%	38%
3RD QUARTER	35%	64%	39%	23%	84%	44%	31%	25%	28%	40%
4TH QUARTER	35%	68%	34%	33%	83%	44%	34%	35%	34%	42%
1987*										
1ST QUARTER	42%	75%	43%	24%	87%	50%	38%	33%	36%	47%
2ND QUARTER	52%	76%	46%	24%	93%	55%	46%	41%	43%	53%
3RD QUARTER										
4TH QUARTER										

* SUBJECT TO REVISION.
** INCLUDES APPALACHIAN HARDWOOD AND ALL OTHER.

SOURCE: NATIONAL FOREST PRODUCTS ASSOCIATION

NOTE: DETAILS MAY NOT ADD TO TOTALS BECAUSE OF ROUNDING.

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ECONOMICS MONTHLY

Volume III Number 9 September, 1987

KOREA IN TRANSITION -- MAJOR BUYER OF US WOOD PRODUCTS

Korea is a major export market for U.S. wood producers. So far this year Korea is America's third largest buyer of wood products, behind Japan and Canada, having displaced the People's Republic of China by a narrow margin. Korea's wood needs can only be met by imports; the country's domestic forest resources were leveled by the end of the Korean conflict in 1953. Prospects for increased U.S. exports are bright and should parallel the country's rapid economic growth pattern as well as its changing lifestyles and demands. The weakening competitiveness of Korea's own sawmilling industry caused by rising labor, raw material and transportation costs also suggests further increases in imports.

In particular, demand for hardwood products has grown for the furniture and musical instruments industries which are among the leading growth sectors in the Korean economy. And as the economy grows, so does the demand for housing and other construction. Total U.S. exports of wood products to Korea will reach a record amount this year, exceeding $170 million, up 24 percent from 1986 (Figure 1; Table I).

But further increases in U.S. exports will not come easily. There are tariff and non-tariff barriers which must be overcome.

Tariffs Still Too High

Korea's tariffs are above the level that's reasonable given the need for wood imports. Softwood and hardwood logs are subject to a five percent duty, except southsea logs which are taxed only 1.5 percent. This exception presumably aids Korea's plywood industry which utilizes southsea species. Imports of teak and some temperate hardwoods, including walnut and ash, are taxed ten percent.

Lumber duties are even higher, even though they were reduced for

MONTHLY STATISTICAL HIGHLIGHTS

Softwood lumber imports from Canada declined by 5.4 percent through July.

U.S. exports were up 24.6 percent during the first seven months of 1987.

July's production of softwood and hardwood lumber was down by 8.2 and 3.3 percent respectively.

The average home mortgage rate for newly-built single family homes declined slightly in August, to 10.7 percent.

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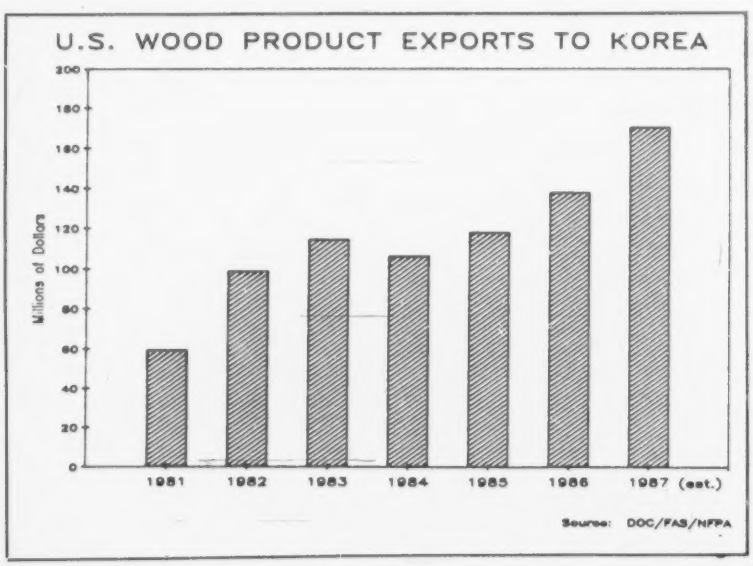
temperate species from 20 to 15 percent on July 1, 1987. Since hardwood lumber from southsea countries is assessed a duty of 10 percent, they also receive preferential treatment in the tariff schedule. The Koreans have indicated they intend to equalize tariffs between southsea and temperate species at the 15 percent level, but have not as yet done so.

Most Korean producers seem to favor tariff reductions. The government is moving very slowly. Although tariff rebates are available on exported finished goods, the procedures are apparently complicated and not often exercised.

Plywood and veneer tariffs have also essentially precluded significant imports, although plywood tariffs are scheduled to be lowered from 30 percent to 20 percent beginning in 1988. There are some indications that further reductions in *softwood* plywood and veneer tariffs may be negotiated in the near future.

Figure 1: U.S. wood product exports to Korea will total over $170 million tnis year.



Korean Housing

An average of 340,000 units per year of new housing is planned through 1991. Masonry construction dominates, and accounts for over 99 percent of all housing starts. The reason? A lack of experience with modern wood-frame construction techniques, high tariffs on lumber and plywood, and low per capita-income -- all of which should change in the years ahead. Currently, wood products are used for framing support, concrete forming, door frames and interior decoration. As personal income grows, and demands for more style and flexibility in housing follow, the popularity of wood-frame construction will grow in Korea.

Korea's Forest Resource is Insufficient

Although two-thirds of the country's land is forested, total timber inventory is relatively low. It wasn't until 1973 that Korea initiated a comprehensive forest policy to restore the productive potential of its forestland. Government-organized cooperatives for private landowners and extensive tree planting programs resulted in the reforestation of 1.1 million hectares (2.5 million acres). However, it will still be many years before significant commercial exploitation can begin.

Korea's 16 million acres of forestland ownership is broken down as follows:

Private:
11,621,000 acres - 72 percent
National:
3,246,000 acres - 20 percent
Other Public:
1,218,000 acres - 8 percent

Private forestland is scattered and is largely held in small ownerships: ninety-six percent of the forest landowners own fewer than 10 hectares (25 acres), making productive forest management difficult. Government-organized

cooperative forest units help promote forest conservation and planning. The government provides financial and technical support to landowners participating in the cooperatives.

Korea's Timber Harvest

Korea's annual timber harvest is roughly 1.2 million m^3 (17 million ft^3). Domestic demand in 1986 was estimated at 7 million m^3 (100 million ft^3), which means that Korea imported 80 percent of its raw material needs. The country's Forestry Administration estimates that at least fifty years will be needed for Korea to meet half of its wood needs from domestic sources. Consequently, its reliance on imports will continue well into the future. As demand grows, so necessarily will imports.

Korea's Export Markets

Korea suffered a decline as a major plywood exporter during the 1970's when Indonesia and other Southeast Asian countries restricted log exports and themselves became low-cost producers. Currently, Korea exports 460 million square feet of plywood, or 20 percent of its production.

On the other hand, Korea has become a major world trader in furniture and musical instruments that require quality lumber and veneers. Exports of these products reached $180 million last year, an increase of 60 percent over 1985. Korea's exports of musical instruments alone totaled nearly $103 million in 1986 (90 percent accounted for by pianos). It is because of the strong Japanese yen that Korean products have become so competitive world-wide.

The estimated value of the Korean furniture industry is $1.2 billion, including exports. Furniture exports totaled $77.1 million in 1986, with the U.S. accounting for 59 percent of that amount and Japan for 18 percent. Korea's furniture producers have publicized their goal of matching Taiwan's $1 billion dollar furniture export trade.

U.S. Wood Product Exports to Korea
1987, Estimated

Product Line	Unit	Quantity	Million $
Softwood Logs	MMBF	453.5	128.1
Hardwood Logs	MMBF	14.7	12.7
Poles, Piles & Posts	#	350	0.1
Softwood Lumber	MMBF	14.4	7.5
Hardwood Lumber	MMBF	8.8	5.7
Hardwood Flooring	MBF	280	0.1
Hardwood Molding	MLF	---	0.1
Treated Lumber	MBF	---	---
Softwood Veneer	MSF	835	0.1
Hardwood Veneer	MMSF	36.1	4.3
Softwood Plywood	MMSF	1.1	0.3
Hardwood Plywood	MSF	238	0.1
Hardboard	MMSF	2.1	0.2
Particleboard	MMSF	6.3	0.9
Other Panel Products	--	--	4.9
Misc. Wood Products	--	--	6.3
Total			171.4

SOURCE: FAS/DOC/NFPA

Table I: Currently, softwood and hardwood logs account for over 80 percent of U.S exports to Korea.

Korea also exports lumber manufactured from imported logs, mainly to Japan and the Middle East. Lumber exports during the first four months of 1987 nearly doubled from the previous year.

U.S. Competitiveness in Korea

Korea imports more hardwood than softwood logs. Sixty-six percent of Korea's softwood log imports comes from the United States. Hemlock, Douglas fir and spruce are the three main U.S. species. Chile is Korea's second largest supplier, and New Zealand is a distant third. Korea's main hardwood log import sources are Malaysia and Papua New Guinea. The U.S. currently supplys only a small percentage of Korea's total hardwood log imports.

The scarcity of logs from Malaysia and Papua New Guinea is resulting in higher Korean import prices. By the same token, a lower U.S. dollar has made U.S. prices more competitive. U.S. hardwood log shipments to Korea more than doubled during the first seven months of 1987.

Because Korea mostly imports logs for domestic processing, and because of high tariffs on finished wood products, lumber imports are relatively small at present. But the U.S. is Korea's major supplier of temperate hardwood lumber (largely oak and walnut) and U.S. shipments of hardwood lumber to Korea are growing. During the first seven months of 1987 shipments were up 70 percent over last year. Oak and walnut are the major species imported from the United States and are used mainly for furniture. Koreans are less familiar with species such as maple, beech, birch, alder, ash, basswood and cottonwood.

U.S. Industry Efforts

NFPA, in conjunction with USDA's Foreign Agricultural Service, has several Korean projects underway. First, the United States is working to lower tariffs, probably the single most important impediment to increased trade. Lowering or eliminating tariffs would strengthen the Korean economy by providing its domestic construction, furniture and musical instrument industries with materials and products at lower cost. It would also serve to deflect protectionist sentiment in the United States. Second, the United States hopes to conduct intensive negotiations on wood products trade. Third, the Koreans have proposed -- and the U.S. has made available -- $10 million dollars of credit assistance for purchase of U.S. wood products.

In addition, trade missions are regularly visiting Korea promoting U.S. wood products. Representatives of the major hardwood associations will conduct seminars on U.S. species next month. Finally, U.S. industry has begun a long-term program to encourage the use of wood in construction in Korea. A study comparing the economic and qualitative benefits of wood housing with masonry housing in Korea is planned. Also this fall, a team of Korean housing authorities will visit U.S. wood producers.

The Korean-U.S. relationship is a close one. However, the U.S. $7.3 billion trade imbalance (1986) with Korea needs addressing. Expanding the Korean market for U.S. wood products is possible, but it requires measures by both countries. Korea must relent on tariff issues and institute domestic policies to encourage greater consumption. The U.S. must provide technical and other assistance to expand the wood market in that country. That Korea has entered a period of political uncertainty has complicated matters. But the Republic of Korea will be on the world's center stage next year as the host of the 1988 summer Olympics. That may present certain political or economic opportunities.

With a concerted industry/government effort, expansion of wood products trade can occur. The future is bright: Korea could represent a $500 - $600 million market for U.S. wood products in a few short years.

NOTE: Included with this issue of the Economics Monthly is a revised quarterly statistical report.

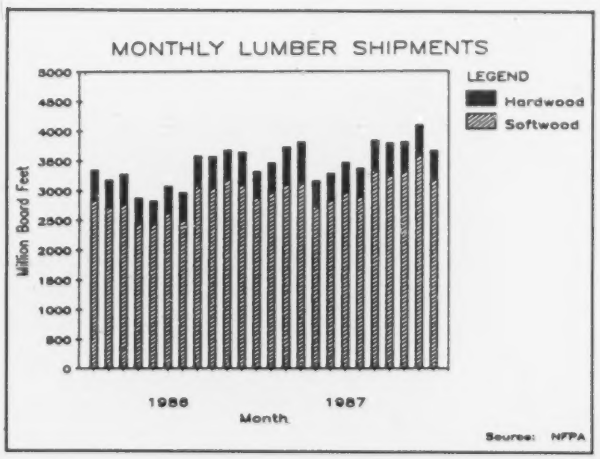
ECONOMICS MONTHLY

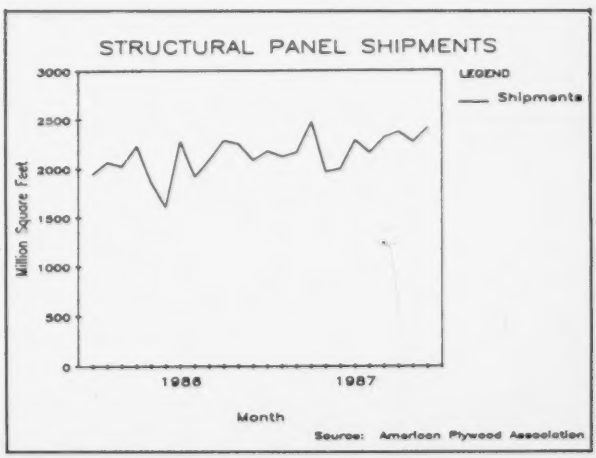
MONTHLY STATISTICAL SUPPLEMENT

Issued: September, 1987

ESTIMATED INDUSTRY TOTALS BY PRODUCING REGION

	JULY, 1987			JULY 31, 1987	
	Production	Shipments	Orders Received	Unfilled Orders	Gross Stocks
SOFTWOOD LUMBER			(Million Board Feet)		
Southern Pine Region	1,086	1074	857	792	1,960
Douglas Fir Region	824	813	804	695	932
Western Pine Region	928	947	891	552	1,314
California Redwood Region	199	202	205	105	416
Other Softwoods	155	155	141	270	306
TOTAL SOFTWOODS	3,192	3,191	2,898	2,414	4,928
% Change - June 1987	-8.2%	-10.9%	-19.9%	-10.8%	0.0%
% Change - July 1986	12.5%	10.8%	-2.8%	16.7%	9.1%
HARDWOOD LUMBER					
Southern Hardwood Region	219	235	221	296	663
Appalachian Hardwood Reg.	56	46	58	*	*
Other Hardwoods	195	199	198	256	646
TOTAL HARDWOODS	470	480	477	552	1,309
% Change - June 1987	-3.3%	-7.7%	-6.3%	-2.6%	-0.8%
% Change - July 1986	4.2%	8.4%	9.4%	19.2%	-26.4%
TOTAL LUMBER	3,662	3,671	3,375	2,984	6,237
% Change - June 1987	-7.6%	-10.5%	-18.2%	-9.0%	-0.1%
% Change - July 1986	11.3%	10.4%	-1.3%	17.9%	-1.0%
* Included in Other Hardwoods					
FLOORING			(Thousand Feet)		
Oak Flooring (Bd. Ft.)	NA	14,533	NA	16,149	6,182
Maple Flooring (Sq. Ft.)	1,001	1,320	1,449	3,828	1,531
STRUCTURAL PANELS (Sq. Ft.)	2,409,071	2,408,415	2,349,408	786,964	388,000
% Change - June 1987	0.7%	2.4%	-11.3%	3.8%	0.2%
% Change - July 1986	11.2%	10.7%	10.5%	1.0%	5.7%





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YEAR-TO-DATE INDICATORS

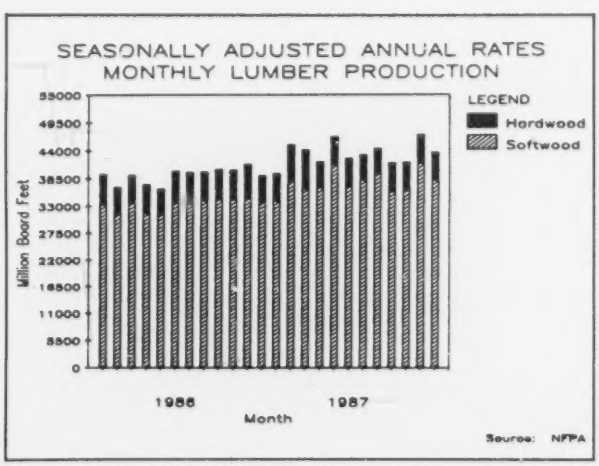
	PRODUCTION		SHIPMENTS		ORDERS RECEIVED	
	Latest Period Available	% Change	Latest Period Available	% Change	Latest Period Available	% Change
	7 mo.'87	7 mo.'86	7 mo.'87	7 mo.'86	7 mo.'87	7 mo.'86
	(Million Board Feet)					
TOTAL LUMBER	25,711	8.6%	26,202	9.9%	26,462	10.2%
TOTAL SOFTWOOD	22,546	11.8%	22,661	11.0%	22,857	11.5%
TOTAL HARDWOOD	3,165	-9.5%	3,541	3.0%	3,605	2.6%
	(Million Square Feet)					
STRUCTURAL PANELS	16,224	7.3%	16,145	7.2%	16,286	9.2%

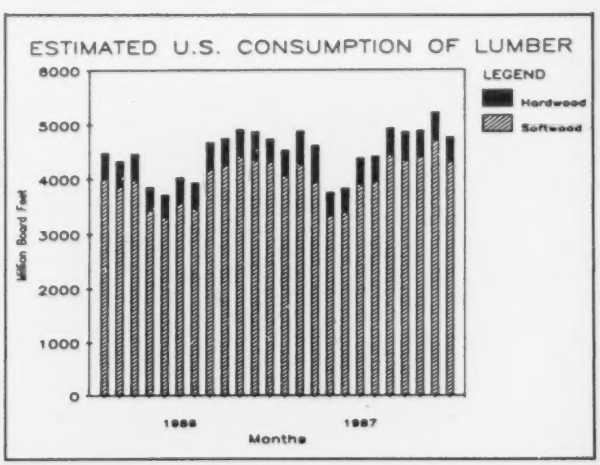
SEASONALLY ADJUSTED ANNUAL RATES

	PRODUCTION			SHIPMENTS		
		---% Change From--			---% Change From--	
LUMBER REGION	July '87	June '87	July '86	July '87	June '87	July '86
	(Million Board Feet)			(Million Board Feet)		
Southern Pine	12,498	-2.6%	2.4%	12,306	-3.0%	-1.7%
Douglas Fir	10,338	-11.4%	37.8%	10,304	-13.0%	32.4%
Western Pine	11,036	-13.8%	6.4%	11,234	-6.9%	10.1%
Calif. Redwood	2,449	10.4%	17.8%	2,248	2.3%	16.1%
Other Softwoods	1,840	-7.8%	12.3%	1,846	-8.3%	10.7%
TOTAL SOFTWOODS	38,161	-8.1%	12.9%	37,938	-7.0%	11.2%
TOTAL HARDWOODS	5,533	-1.0%	4.2%	5,997	-0.6%	8.4%
TOTAL LUMBER	43,694	-7.2%	11.7%	43,934	-6.2%	10.8%

DOMESTIC LUMBER CONSUMPTION

	CURRENT			YEAR-TO-DATE	
	Latest Month Available	----% Change From----		Latest Period Available	% Change From
	July '87	June '87	July '86	7 mo.'87	7 mo.'86
	(Million Board Feet)				
Total Consumption	4,767	-8.8%	0.6%	33,486	4.9%
Softwood Consumption	4,305	-8.7%	-0.1%	30,068	5.4%
Hardwood Consumption	462	-10.3%	7.0%	3,418	1.2%

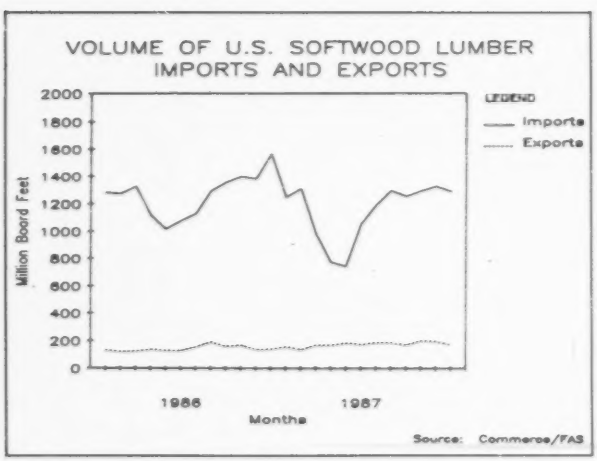


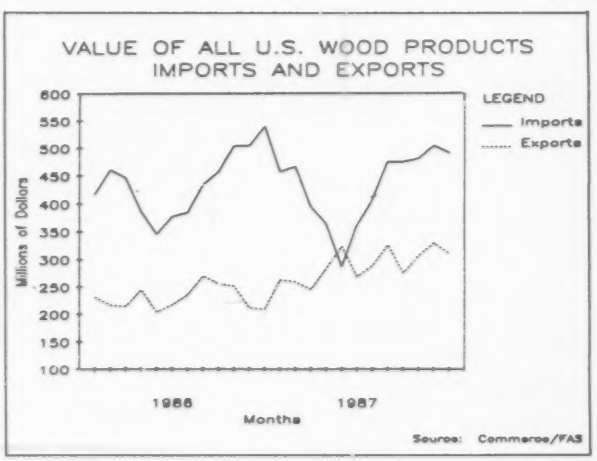


INTERNATIONAL TRADE STATISTICS

		VOLUME				VALUE			
		July '87	7 mo. 1987	% Change From June '87	% Change From 7 mo. 1986	July '87	7 mo. 1987	% Change From June '87	% Change From 7 mo. 1986
EXPORTS									
SOFTWOOD LUMBER	MMBF	173.8	1,289.1	-11.5%	20.8%	59,863	458,645	-10.2%	28.8%
To Canada	MMBF	43.9	262.2	1.2%	25.7%	10,360	64,170	-2.0%	21.6%
SOFTWOOD LOGS	MMBF	336.2	2,209.7	-15.0%	16.4%	125,663	770,189	-12.8%	19.4%
SOFTWOOD PLYWOOD	MMSF 3/8"	60.9	465.3	55.3%	39.9%	12,550	102,205	43.4%	39.5%
HARDWOOD LUMBER	MMBF	58.7	379.2	-2.8%	38.7%	38,736	243,806	1.7%	26.8%
HARDWOOD LOGS	MMBF	6.8	92.5	-7.2%	31.5%	6,180	75,833	-9.1%	15.3%
HARDWOOD VENEER	MMSFsurf	78.2	780.1	-40.5%	35.6%	7,204	62,506	-21.2%	46.8%
PARTICLEBOARD	MMSF 3/4"	19.7	131.4	-6.7%	40.8%	4,558	29,295	-10.2%	55.2%
ALL OTHER		NA	NA	NA	NA	53,913	351,507	9.1%	21.9%
TOTAL U.S. EXPORTS		NA	NA	NA	NA	309,899	2,103,080	-5.8%	24.6%
IMPORTS									
SOFTWOOD LUMBER	MMBF	1,287.6	8,696.4	-2.9%	-5.4%	277,577	1,773,026	0.9%	-5.4%
From Canada	MMBF	1,276.8	8,619.4	-3.0%	-5.4%	274,480	1,752,111	1.0%	-5.6%
SOFTWOOD LOGS	MMBF	6.6	18.9	76.2%	-26.2%	1,112	5,407	29.3%	90.1%
SOFTWOOD PLYWOOD	MMSF 3/8"	13.2	77.1	-1.1%	-2.9%	4,142	21,027	8.5%	-6.3%
HARDWOOD LUMBER	MMBF	39.4	251.5	-23.9%	18.7%	23,213	134,907	-3.1%	29.0%
HARDWOOD LOGS	MMBF	0.7	9.0	-36.3%	-34.6%	386	1,768	0.8%	-27.1%
HARDWOOD VENEER	MMSFsurf	140.7	1,014.1	-16.0%	6.6%	13,224	80,180	7.2%	16.7%
HARDWOOD PLYWOOD	MMSFsurf	342.3	2,327.3	-2.8%	-0.1%	53,049	333,432	3.4%	13.3%
HARDBOARD	MMSF 1/8"	80.8	497.1	0.9%	-8.6%	6,657	37,125	14.9%	3.3%
PARTICLEBOARD	MSF 3/4"	116.4	797.5	-6.5%	24.4%	11,958	78,936	-1.3%	-5.9%
ALL OTHER		NA	NA	NA	NA	98,665	721,498	-16.2%	10.5%
TOTAL U.S. IMPORTS		NA	NA	NA	NA	490,411	3,190,496	-2.7%	1.5%

Note: Volume total is not possible because the products are in different units of measure.
Note: Particleboard imports include OSB/Waferboard.





VALUE OF NEW CONSTRUCTION

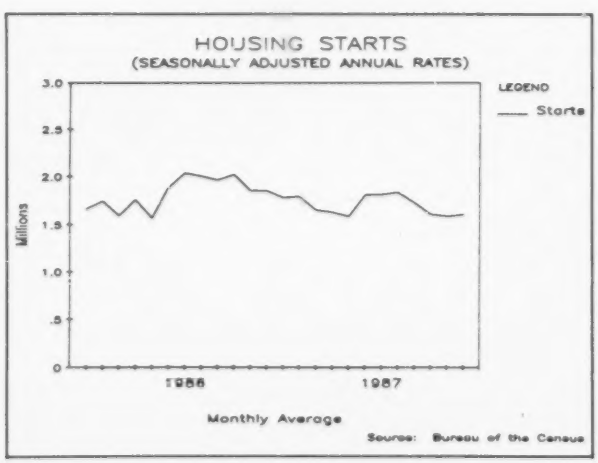
	CURRENT			YEAR-TO-DATE	
	Latest Month Available	---% Change From---		Latest Period Available	% Change From
	July '87	June '87	July '86	7 mo. '87	7 mo. '86
	(Billions of Dollars)				
VALUE OF ALL NEW CONSTRUCTION PUT-IN-PLACE	36.0	-2.4%	0.0%	192.0	-8.0%
Private	28.8	-3.7%	0.3%	156.5	-8.2%
Residential	18.4	-5.2%	3.4%	96.6	0.4%
Nonresidential & Other	10.4	-1.0%	-4.6%	60.0	-19.2%
Public	7.3	5.8%	0.0%	35.4	-7.1%

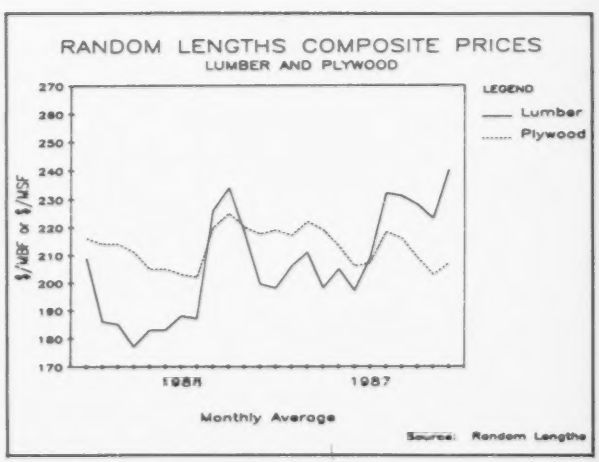
HOUSING STARTS

	July '87	June '87	July '86	7 mo. '87	7 mo. '86
	(Thousands of Units)				
NEW HOUSING UNITS STARTED					
Total Private & Public	154.0	-5.6%	-10.6%	879.1	-20.5%
New Private Starts	153.8	-5.6%	-10.6%	878.0	-20.5%
Seas. Adj. Annual Rate	1,606.0	1.3%	-10.1%		
One-Family Housing Starts	112.7	-1.2%	-0.7%	631.4	-11.9%
Proportion of Total	0.7			4.3	
	(Number of Units)				
SHIPMENTS OF MOBILE HOMES	21,000.0	-2.3%	3.4%	83,800	-42.3%

INDUSTRY EMPLOYMENT

	July '87	----% Change From--- June '87	July '86
	(Thousands of Employees)		
TOTAL EMPLOYMENT (Seasonally Adj.)			
All Industries	102,115	0.3%	2.5%
All Manufacturing Industries	19,098	0.4%	0.8%
Lumber and Wood Products	743	1.0%	5.5%
Furniture and Fixtures	519	1.8%	4.4%





REVISED

ECONOMICS MONTHLY

QUARTERLY STATISTICAL SUPPLEMENT

Issued: September 1, 1987

GRAPHICAL ABSTRACT

As is illustrated by the graph, productivity in the U.S. sawmilling industry is way up.

ESTIMATED REGIONAL SOURCES OF DOMESTIC LUMBER CONSUMPTION
(Net Imports Allocated)

(MILLION BOARD FEET)

	SOUTHERN PINE	DOUGLAS FIR	WESTERN PINE	CALIFORNIA REDWOOD	OTHER SOFTWOOD	TOTAL SOFTWOOD	SOUTHERN HARDWOOD	OTHER** HARDWOOD	TOTAL HARDWOOD	TOTAL LUMBER
1977	8,774	14,081	11,626	2,026	4,302	40,809	3,158	3,732	6,890	47,699
1978	9,096	15,133	11,559	1,849	5,003	42,640	3,242	3,755	6,997	49,637
1979	9,060	14,248	10,553	1,729	5,018	40,608	3,342	3,597	6,939	47,547
1980	7,757	11,461	8,509	1,563	4,542	33,832	3,028	3,244	6,272	40,104
1981	8,177	10,828	7,760	1,463	3,836	32,064	3,202	2,653	5,855	37,919
1982	8,232	10,381	7,316	1,327	3,917	31,173	2,031	3,066	5,098	36,270
1983	10,233	14,108	8,848	1,558	4,995	39,742	2,121	3,276	5,397	45,138
1984	10,402	15,672	9,606	1,643	5,534	42,857	2,459	3,377	5,836	48,693
1985*										
1ST QUARTER	2,367	3,747	2,017	378	1,310	9,818	631	872	1,503	11,321
2ND QUARTER	2,920	4,462	2,601	488	1,650	12,121	672	939	1,612	13,733
3RD QUARTER	2,700	4,240	2,684	429	1,535	11,590	618	779	1,397	12,986
4TH QUARTER	2,493	3,944	2,446	384	1,448	10,714	613	710	1,323	12,037
TOTAL YEAR	10,480	16,393	9,748	1,679	5,942	44,243	2,534	3,300	5,834	50,077
1986*										
1ST QUARTER	2,768	4,203	2,367	390	1,485	11,213	690	730	1,421	12,634
2ND QUARTER	2,979	4,871	2,842	582	1,745	13,019	657	869	1,526	14,545
3RD QUARTER	2,971	4,544	2,921	513	1,686	12,635	627	898	1,525	14,160
4TH QUARTER	2,666	3,611	2,711	489	1,186	10,663	613	928	1,541	12,204
TOTAL YEAR	11,383	17,230	10,841	1,974	6,102	47,530	2,588	3,425	6,013	53,544
1987*										
1ST QUARTER	2,942	4,495	2,776	496	1,590	12,299	608	806	1,414	13,713
2ND QUARTER	3,215	4,992	2,941	580	1,691	13,419	657	802	1,459	14,878
3RD QUARTER	0	0	0	0	0	0	0	0	0	0
4TH QUARTER	0	0	0	0	0	0	0	0	0	0
TOTAL YEAR	6,157	9,487	5,717	1,076	3,281	25,718	1,265	1,608	2,873	28,590

* SUBJECT TO REVISION

** INCLUDES APPALACHIAN HARDWOOD AND ALL OTHERS.

SOURCE: NATIONAL FOREST PRODUCTS ASSOCIATION

NOTE: DETAILS MAY NOT ADD TO TOTALS DUE TO ROUNDING.

ESTIMATED REGIONAL LUMBER PRODUCTION, SHIPMENTS AND NEW ORDERS

(MILLION BOARD FEET)

	SOUTHERN PINE	DOUGLAS FIR	WESTERN PINE	CALIFORNIA REDWOOD	OTHER SOFTWOOD	TOTAL SOFTWOOD	SOUTHERN HARDWOOD	APPALACHIAN HARDWOOD	OTHER HARDWOOD	TOTAL HARDWOOD	TOTAL LUMBER
PRODUCTION											
1977	8,879	8,796	10,309	2,000	1,753	31,737	3,073	1,211	2,417	6,701	38,438
1978	9,231	8,845	10,033	1,902	2,046	32,057	3,258	1,233	2,540	7,031	39,088
1979	9,283	8,427	9,780	1,818	2,124	31,432	3,462	1,263	2,589	7,314	38,746
1980	8,217	6,815	7,613	1,589	2,012	26,246	3,341	1,221	2,553	7,115	33,361
1981	8,415	6,270	7,147	1,452	1,392	24,676	3,374	1,237	1,641	6,252	30,928
1982	8,754	5,743	6,681	1,300	1,309	23,787	2,061	602	2,398	5,062	28,849
1983	10,181	7,934	8,488	1,580	1,543	29,726	2,245	785	2,614	5,644	35,370
1984	10,674	8,329	8,992	1,664	1,515	31,174	2,642	985	2,635	6,262	37,436
1985*											
1ST QUARTER	2,471	1,970	2,009	448	353	7,251	635	248	625	1,508	8,759
2ND QUARTER	2,906	2,016	2,405	451	397	8,175	700	279	692	1,671	9,846
3RD QUARTER	2,771	2,039	2,539	445	398	8,192	657	218	620	1,495	9,687
4TH QUARTER	2,582	2,037	2,323	386	375	7,703	635	159	563	1,357	9,060
TOTAL YEAR	10,730	8,062	9,276	1,730	1,523	31,321	2,628	904	2,500	6,031	37,352
1986*											
1ST QUARTER	2,801	2,294	2,328	463	403	8,289	715	141	606	1,462	9,751
2ND QUARTER	3,041	2,393	2,638	531	439	9,042	691	236	656	1,583	10,625
3RD QUARTER	3,010	2,292	2,850	520	443	9,115	658	258	648	1,564	10,679
4TH QUARTER	2,826	2,433	2,666	507	430	8,862	600	265	612	1,477	10,339
TOTAL YEAR	11,678	9,412	10,482	2,021	1,715	35,308	2,664	900	2,522	6,086	41,394
1987*											
1ST QUARTER	2,982	2,695	2,757	543	458	9,435	557	176	518	1,251	10,686
2ND QUARTER	3,227	2,739	2,864	564	479	9,873	636	167	568	1,371	11,244
3RD QUARTER											
4TH QUARTER											
TOTAL YEAR	6,209	5,434	5,621	1,107	937	19,308	1,193	343	1,086	2,622	21,930
SHIPMENTS											
1977	8,932	8,781	10,295	2,075	1,759	31,842	3,114	1,225	2,450	6,789	38,631
1978	9,226	8,906	10,067	1,884	2,051	32,134	3,248	1,230	2,530	7,008	39,142
1979	9,255	8,412	9,696	1,760	2,111	31,234	3,326	1,216	2,487	7,029	38,263
1980	8,018	6,821	7,807	1,590	2,012	26,248	3,119	1,142	2,387	6,648	32,896
1981	8,388	6,270	7,183	1,501	1,395	24,737	3,313	1,182	1,602	6,097	30,834
1982	8,464	5,793	6,775	1,349	1,303	23,684	2,127	634	2,488	5,249	28,935
1983	10,214	7,802	8,264	1,582	1,528	29,390	2,312	829	2,708	5,849	35,239
1984	10,574	8,409	9,014	1,673	1,516	31,186	2,555	940	2,540	6,035	37,221
1985*											
1ST QUARTER	2,404	1,914	1,914	381	338	6,951	633	245	622	1,500	8,451
2ND QUARTER	2,964	2,131	2,441	492	410	8,438	677	266	666	1,609	10,047
3RD QUARTER	2,740	2,003	2,546	433	394	8,116	628	201	588	1,417	9,533
4TH QUARTER	2,536	2,029	2,320	389	371	7,645	631	157	559	1,347	8,992
TOTAL YEAR	10,644	8,077	9,221	1,695	1,513	31,150	2,569	869	2,435	5,873	37,023
1986*											
1ST QUARTER	2,810	2,298	2,287	393	398	8,186	704	138	596	1,438	9,624
2ND QUARTER	3,029	2,537	2,744	584	454	9,348	681	230	645	1,556	10,904
3RD QUARTER	3,011	2,189	2,793	516	435	8,944	666	262	657	1,585	10,529
4TH QUARTER	2,712	2,406	2,658	492	423	8,691	642	287	657	1,586	10,277
TOTAL YEAR	11,562	9,430	10,482	1,985	1,710	35,169	2,693	917	2,555	6,165	41,334
1987*											
1ST QUARTER	3,001	2,638	2,719	499	452	9,309	648	218	612	1,478	10,787
2ND QUARTER	3,269	2,864	2,907	584	491	10,115	690	188	622	1,500	11,615
3RD QUARTER											
4TH QUARTER											
TOTAL YEAR	6,270	5,502	5,626	1,083	943	19,424	1,338	406	1,234	2,978	22,402
NEW ORDERS											
1977	8,970	8,712	10,331	2,119	1,762	31,894	3,163	1,244	2,488	6,895	38,789
1978	9,273	8,894	9,946	1,847	2,043	32,003	3,288	1,239	2,560	7,087	39,090
1979	9,273	8,388	9,630	1,664	2,098	31,053	3,250	1,184	2,429	6,863	37,916
1980	7,964	6,791	7,730	1,563	1,996	26,044	3,060	1,118	2,338	6,516	32,560
1981	8,433	6,200	7,076	1,501	1,387	24,597	3,341	1,198	1,617	6,156	30,753
1982	8,510	5,976	6,880	1,388	1,325	24,079	2,123	650	2,495	5,268	29,335
1983	10,417	7,864	8,350	1,573	1,544	29,748	2,344	834	2,741	5,919	35,667
1984	10,342	8,296	9,011	1,640	1,496	30,785	2,524	944	2,520	5,988	36,773
1985*											
1ST QUARTER	2,358	1,935	1,920	391	338	6,942	659	246	641	1,546	8,488
2ND QUARTER	2,974	2,105	2,528	502	415	8,524	653	258	644	1,555	10,079
3RD QUARTER	2,864	2,012	2,506	394	397	8,173	638	207	598	1,443	9,616
4TH QUARTER	2,567	1,992	2,293	395	370	7,617	624	156	553	1,333	8,950
TOTAL YEAR	10,763	8,044	9,247	1,682	1,520	31,256	2,574	867	2,436	5,877	37,133
1986*											
1ST QUARTER	2,897	2,420	2,408	449	418	8,592	757	146	639	1,542	10,134
2ND QUARTER	2,965	2,331	2,647	551	433	8,927	674	224	636	1,534	10,461
3RD QUARTER	2,972	2,340	2,853	482	441	9,088	664	275	666	1,605	10,693
4TH QUARTER	2,759	2,479	2,592	538	428	8,796	647	290	663	1,600	10,396
TOTAL YEAR	11,593	9,570	10,500	2,020	1,720	35,403	2,742	935	2,604	6,281	41,684
1987*											
1ST QUARTER	3,118	2,753	2,862	476	471	9,680	651	217	615	1,483	11,163
2ND QUARTER	3,447	2,785	2,920	579	497	10,228	720	194	647	1,561	11,789
3RD QUARTER											
4TH QUARTER											
TOTAL YEAR	6,565	5,538	5,782	1,055	968	19,908	1,371	411	1,262	3,044	22,952

* SUBJECT TO REVISION.

SOURCE: NATIONAL FOREST PRODUCTS ASSOCIATION

NOTE: DETAILS MAY NOT ADD TO TOTALS DUE TO ROUNDING

IMPORTS AND EXPORTS OF LUMBER

IMPORTS OF LUMBER \1

(MILLION BOARD FEET)

	SOFTWOODS											
	DOUGLAS FIR	OTHER FIR	HEMLOCK	SPRUCE	PINE	CEDAR	OTHER	SPECIAL \2 PRODUCTS	TOTAL SOFTWOOD	TOTAL \3 HARDWOOD	RAILROAD TIES (SAWED)	TOTAL LUMBER
1977	990.7	299.4	1,219.2	5,361.6	1,795.5	537.7	22.2	154.0	10,380.3	341.1	7.4	10,728.8
1978	976.2	508.9	1,219.8	6,312.9	1,916.9	657.5	41.8	190.6	11,824.6	361.4	12.3	12,198.3
1979	827.3	588.3	912.3	6,740.4	1,182.5	637.8	35.4	193.7	11,117.7	376.2	29.3	11,523.2
1980	559.0	440.8	627.8	6,167.9	1,023.9	543.4	20.7	156.6	9,540.1	293.2	31.3	9,864.6
1981	483.3	534.7	467.0	6,010.7	941.7	574.4	17.0	175.9	9,204.7	291.1	24.9	9,520.7
1982	504.3	460.7	293.9	6,341.2	801.6	539.0	28.8	149.4	9,118.9	211.0	26.2	9,356.0
1983	600.3	708.6	416.7	8,354.4	919.8	664.1	73.5	239.9	11,977.4	260.5	12.5	12,250.4
1984	603.0	765.1	514.9	9,471.4	901.6	704.1	35.0	275.0	13,270.2	327.7	24.2	13,622.2
1985												
1ST QUARTER	154.6	189.1	171.1	2,257.0	165.8	210.2	26.9	66.9	3,241.6	105.9	3.2	3,350.7
2ND QUARTER	205.9	200.0	185.6	2,907.4	237.8	233.3	10.2	89.2	4,069.3	96.1	11.8	4,177.2
3RD QUARTER	247.4	236.0	151.0	2,685.4	215.0	203.7	14.0	89.3	3,841.8	85.3	7.7	3,934.8
4TH QUARTER	157.1	166.8	136.2	2,543.6	198.6	160.7	16.0	76.1	3,455.1	76.3	5.1	3,536.4
TOTAL YEAR	765.1	791.8	643.9	10,393.4	817.2	807.9	67.1	321.5	14,607.8	363.6	27.7	14,999.1
1986												
1ST QUARTER	157.2	166.5	128.4	2571.0	152.3	208.1	27.3	87.2	3498.0	95.6	3.8	3597.4
2ND QUARTER	179.1	238.0	154.9	2957.5	180.3	269.8	30.4	119.1	4129.1	88.9	10.0	4228.0
3RD QUARTER	225.7	254.6	140.1	2967.9	222.3	207.3	18.7	82.2	4118.9	75.8	5.4	4200.1
4TH QUARTER	124.1	108.9	65.0	1892.6	113.7	115.3	26.0	46.4	2492.1	86.6	4.0	2582.7
TOTAL YEAR	686.2	768.0	488.4	10389.1	668.7	800.6	102.4	334.9	14238.2	346.9 *	23.1	14608.2
1987												
1ST QUARTER	117.4	171.1	103.6	2701.1	131.4	184.7	14.5	114.0	3537.8	87.6	3.9	3629.3
2ND QUARTER	197.8	199.7	162.4	2820.9	130.6	226.3	22.4	111.1	3871.0	124.5	9.9	4005.4
3RD QUARTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4TH QUARTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL YEAR	315.2	370.8	266.0	5521.9	262.1	411.0	36.9	225.1	7408.8	212.2	13.8	7634.8

EXPORTS OF LUMBER \1

(MILLION BOARD FEET)

	SOFTWOODS											
	DOUGLAS FIR	SOUTHERN PINE	PONDEROSA/ WHITE PINE	REDWOOD	HEMLOCK	SPRUCE	CEDAR	OTHER	SPECIAL \2 PRODUCTS	TOTAL SOFTWOOD	TOTAL \3 HARDWOOD	RAILROAD TIES \4 (SAWED)	TOTAL \5 LUMBER
1977	488.3	157.8	195.0	48.1	264.2	150.7	61.3	47.0	----	1,412.4	226.1	19.2	1,657.7
1978	456.9	130.5	136.9	34.3	272.5	135.4	59.2	120.1	23.1	1,368.9	320.1	25.8	1,714.8
1979	505.4	195.1	147.7	30.1	463.7	151.1	56.0	179.4	16.2	1,744.7	306.6	90.5	2,141.8
1980	520.8	261.4	168.1	27.3	511.2	136.4	62.0	248.6	20.2	1,956.0	378.6	128.3	2,462.9
1981	509.0	211.2	223.8	37.7	390.2	141.4	66.9	280.6	16.8	1,877.6	405.7	88.8	2,372.1
1982	457.2	231.8	140.8	22.5	391.7	124.9	40.5	206.0	14.8	1,630.2	356.2	34.4	2,020.8
1983	559.3	208.4	197.3	24.0	376.2	113.9	46.8	207.8	10.8	1,744.5	478.2	47.2	2,269.9
1984	532.1	172.4	174.1	30.1	337.4	98.1	39.2	202.7	13.1	1,599.3	466.5	84.6	2,150.4
1985													
1ST QUARTER	117.5	37.0	37.8	3.4	101.5	21.1	6.3	47.0	2.8	374.4	102.7	3.6	480.7
2ND QUARTER	130.4	44.4	42.1	3.8	83.2	17.2	7.0	55.2	2.8	385.9	97.3	7.7	490.9
3RD QUARTER	113.2	39.5	44.4	3.5	78.2	14.2	6.4	65.5	3.1	368.1	96.3	17.1	481.4
4TH QUARTER	114.4	43.5	43.4	5.0	101.5	8.4	7.8	61.0	1.9	387.0	100.8	4.5	492.3
TOTAL YEAR	475.6	164.4	167.7	15.7	364.4	60.8	27.4	228.7	10.6	1,515.4	397.1	32.9	1,945.3
1986													
1ST QUARTER	135.9	42.2	49.7	2.9	130.1	24.6	6.8	76.2	2.4	470.9	112.0	4.5	587.4
2ND QUARTER	130.1	50.3	54.9	2.1	121.0	23.2	7.8	66.0	2.4	457.9	122.8	6.0	586.7
3RD QUARTER	106.3	40.1	60.8	2.8	115.4	19.0	12.4	66.7	4.1	427.7	135.0	6.1	568.8
4TH QUARTER	140.1	46.1	43.9	3.1	165.5	27.2	11.2	80.4	3.1	520.5	128.5	6.7	655.8
TOTAL YEAR	512.4	178.6	209.4	10.9	532.0	94.0	38.2	289.4	12.0	1,877.0	498.3	23.3	2,398.6
1987													
1ST QUARTER	167.1	58.6	54.7	3.4	142.1	19.0	12.3	88.7	2.2	548.2	148.6	6.9	703.6
2ND QUARTER	168.9	53.9	77.4	4.0	139.5	27.9	14.1	77.8	3.4	567.1	172.0	3.6	742.7
3RD QUARTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4TH QUARTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL YEAR	336.0	112.6	132.2	7.4	281.6	46.9	26.5	166.5	5.6	1115.2	320.5	10.5	1446.3

1. Sawed timber, board planks and scantlings, flooring, box shook and railroad ties.
2. Includes siding and softwood lumber drilled or treated. Beginning 1978 includes siding and flooring. For exports, figures not available prior to 1978.
3. Includes hardwood flooring, siding and hardwood lumber drilled or treated.
4. Includes a small amount of hewn railroad ties. Beginning with 1978 includes mine timber.
5. Includes box shook: 1973 - 4.4 mbf; 1974 - 6.1 mbf; 1975 - 4.1 mbf; 1976 - 6.0 mbf; 1977 - 5.8 mbf. Beginning with 1978 box shook is reported in appropriate species.

NOTE: DETAILS MAY NOT ADD TO TOTALS DUE TO ROUNDING.

SOURCE: Foreign Agricultural Service, U.S. Department of Agriculture; Forest Products Division, BIE, U.S. DOC, from data of the Foreign Trade Division,

ESTIMATED GROSS LUMBER MILL STOCKS AND UNFILLED ORDERS BY REGION

(MILLION BOARD FEET)

	SOUTHERN PINE	DOUGLAS FIR	WESTERN PINE	CALIFORNIA REDWOOD	OTHER SOFTWOOD	TOTAL SOFTWOOD	SOUTHERN HARDWOOD	OTHER** HARDWOOD	TOTAL HARDWOOD	TOTAL LUMBER
GROSS MILL STOCKS										
DECEMBER 31ST										
1977	1,192	964	1,329	359	265	4,109	412	385	797	4,906
1978	1,197	903	1,295	377	260	4,032	422	398	820	4,852
1979	1,225	918	1,379	435	273	4,230	556	547	1,105	5,335
1980	1,424	912	1,185	434	273	4,228	780	792	1,572	5,800
1981	1,451	912	1,149	385	270	4,167	841	886	1,727	5,894
1982	1,741	862	1,055	336	276	4 70	775	764	1,539	5,809
1983	1,708	994	1,279	334	291	4,606	708	626	1,334	5,940
1984	1,808	914	1,257	325	290	4,594	795	766	1,561	6,155
1985*										
1ST QUARTER	1,875	970	1,352	392	305	4,894	797	772	1,569	6,463
2ND QUARTER	1,817	855	1,316	351	292	4,631	820	811	1,631	6,262
3RD QUARTER	1,848	891	1,309	363	296	4,707	849	860	1,709	6,416
4TH QUARTER	1,894	899	1,312	360	300	4,765	853	866	1,719	6,484
1986*										
1ST QUARTER	1,885	895	1,353	430	305	4,868	864	879	1,743	6,611
2ND QUARTER	1,897	751	1,247	377	290	4,562	874	896	1,770	6,332
3RD QUARTER	1,896	854	1,304	381	298	4,733	866	883	1,749	6,482
4TH QUARTER	2,010	881	1,312	396	305	4,904	824	816	1,640	6,544
1987*										
1ST QUARTER	1,991	1,046	1,376	439	317	5,169	733	702	1,435	6,604
2ND QUARTER	1,949	921	1,333	419	305	4,927	679	627	1,306	6,233
3RD QUARTER										
4TH QUARTER										
ESTIMATED UNFILLED ORDERS										
DECEMBER 31ST										
1977	488	565	590	271	267	2,181	292	214	506	2,687
1978	535	553	469	254	259	2,050	332	253	585	2,635
1979	553	529	403	138	246	1,869	256	163	419	2,288
1980	499	499	326	111	230	1,665	197	90	287	1,952
1981	544	429	219	111	222	1,525	225	121	346	1,871
1982	590	612	324	150	244	1,920	221	144	365	2,285
1983	793	674	410	141	260	2,278	253	182	435	2,713
1984	561+	561	407	108	240	1,877	222	166	388	2,449
1985*										
1ST QUARTER	515	582	413	118	240	1,868	248	186	434	2,302
2ND QUARTER	525	556	500	128	245	1,954	224	156	380	2,334
3RD QUARTER	649	565	460	89	248	2,011	234	172	406	2,417
4TH QUARTER	680	528	433	95	247	1,983	227	165	392	2,375
1986*										
1ST QUARTER	766	650	554	151	267	2,388	280	212	492	2,880
2ND QUARTER	702	444	457	118	246	1,967	273	197	470	2,437
3RD QUARTER	663	595	517	84	292	2,111	272	219	491	2,602
4TH QUARTER	710	668	451	130	257	2,216	277	228	505	2,721
1987*										
1ST QUARTER	827	783	595	107	277	2,589	280	232	512	3,100
2ND QUARTER	1,005	704	608	102	283	2,702	310	257	567	3,274
3RD QUARTER										
4TH QUARTER										
UNFILLED ORDERS IN RELATION TO GROSS MILL STOCKS (Unfilled Orders As Percentage of Mill Stocks)										
1977	41%	59%	44%	75%	101%	53%	71%	56%	63%	55%
1978	45%	61%	36%	67%	100%	51%	79%	64%	71%	54%
1979	45%	58%	29%	32%	90%	44%	46%	30%	38%	43%
1980	35%	55%	28%	26%	84%	39%	25%	11%	18%	34%
1981	37%	47%	19%	29%	82%	37%	27%	14%	20%	32%
1982	34%	71%	31%	45%	88%	45%	29%	19%	24%	39%
1983	46%	68%	32%	42%	89%	49%	36%	29%	33%	46%
1984	31%	61%	32%	33%	83%	41%	28%	22%	25%	40%
1985*										
1ST QUARTER	27%	60%	31%	30%	79%	38%	31%	24%	28%	36%
2ND QUARTER	29%	65%	38%	36%	84%	42%	27%	19%	23%	37%
3RD QUARTER	35%	63%	35%	25%	84%	43%	28%	20%	24%	38%
4TH QUARTER	36%	59%	33%	26%	82%	42%	27%	19%	23%	37%
1986*										
1ST QUARTER	41%	73%	41%	35%	88%	49%	32%	24%	28%	44%
2ND QUARTER	37%	59%	37%	31%	85%	43%	31%	22%	27%	38%
3RD QUARTER	35%	70%	40%	22%	85%	45%	31%	25%	28%	40%
4TH QUARTER	35%	76%	34%	33%	84%	45%	34%	28%	31%	42%
1987*										
1ST QUARTER	42%	75%	43%	24%	87%	50%	38%	33%	36%	47%
2ND QUARTER	52%	76%	46%	24%	93%	55%	46%	41%	43%	53%
3RD QUARTER										
4TH QUARTER										

* SUBJECT TO REVISION.

** INCLUDES APPALACHIAN HARDWOOD AND ALL OTHER.

NOTE: DETAILS MAY NOT ADD TO TOTALS BECAUSE OF ROUNDING.

SOURCE: NATIONAL FOREST PRODUCTS ASSOCIATION

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